

**MANAGER’S AMENDMENT TO DEFENSE
APPROPRIATIONS BILL
OFFERED BY MS. MCCOLLUM OF MINNESOTA**

In the Bill:

On page 26, line 7, after the dollar amount, insert “(decreased by \$10,000,000)”.

On page 35, line 20, strike “until expended” and insert “for obligation until September 30, 2025”.

On page 35, line 23, before the period, insert “:Provided, That the Secretary of Defense shall, not less than 30 days prior to obligating funds under this heading in excess of \$20,000,000, notify the Committees on Appropriations of the House of Representatives and the Senate in writing of the details of any such obligation”.

On page 37, line 6, after the dollar amount, insert “(decreased by \$1,000,000)”.

On page 38, line 10, after the dollar amount, insert “(decreased by \$10,000,000) (increased by \$1,000,000)”.

On page 39, line 11, after the dollar amount, insert “(increased by \$10,000,000) (increased by \$10,000,000)”.

On page 39, line 19, after the dollar amount, insert “(increased by \$10,000,000) (increased by \$10,000,000)”.

On page 96, line 6, strike “, of which” and insert a semicolon after “program”.

In the Report:

On page 10, after the paragraph, insert the following:

“COMMITTEE INQUIRIES

The Committee requires timely responses to inquiries and requests for technical assistance to successfully perform its oversight responsibilities. Overly bureaucratic processes among administrative offices, major commands, and program offices hinder the Committee’s ability to make timely and accurate decisions, which may ultimately impact program offices and the servicemembers they support. The Committee expects the Secretary of the Army to improve the internal processes and communications with member offices and the Committee on Appropriations.”

On page 52, at the end of the first paragraph, insert the following:

“The Committee notes the uneven processes across the MCIOs in addressing cold cases. The Committee expects best practices to be shared across each of the MCIOs, and is concerned that disincentives exist to officially close cold cases, in particular, as it will affect when the Inspector General may begin to conduct oversight. The Committee directs the Secretary of Defense to work with the Service Secretaries to develop a standard across each of the MCIOs for when closed cases should be conveyed to outside organizations for a peer review or consideration by the Inspector General. Furthermore, if a case is not solved prior to the investigators “rotating out of the unit”, the Committee expects each Service Secretary to ensure standard procedures exist that guarantee an effective turn-over of the case to a new investigator. Finally, the Committee encourages the Secretary of the Army to consider establishing a cold case unit similar to NCIS and OSI.”

On page 58, before the header “OPERATION AND MAINTENANCE, ARMY”, insert the following:

“TAIWAN

The Committee notes that Section 1249 of the National Defense Authorization Act for Fiscal Year 2022 (P.L. 117–81) required the Secretary of Defense to provide the congressional defense committees with a briefing

on the feasibility and advisability of enhanced cooperation between the National Guard and Taiwan. The Committee understands that the Secretary of Defense continues to assess the feasibility of enhancing the relationship between the National Guard and Taiwan. Given the possible impact of this decision, the Committee directs the Secretary of Defense to brief the congressional defense committees with an update on these determinations not later than September 30, 2022.”

On page 89, before the header “COUNTER-ISIS TRAIN AND EQUIP FUND”, insert the following:

“MEXICO

The Committee understands that having a combatant command with a focus on the nations on our direct borders is vital to the security of the United States. The Committee also appreciates the close ties between Mexico and its Central and South American neighbors. Given these considerations, the Committee directs the Secretary of Defense to conduct a study of the impact to U.S. security interests of transferring Mexico from the Northern Command area of responsibility to the Southern Command area of responsibility. The Secretary shall submit a report on the results of this study to the congressional defense committees not later than 180 days after the enactment of this Act.

ELECTRO-OPTICAL COMMERCIAL LAYER CONTRACT AND
COMBATANT COMMAND REQUIREMENTS

The Committee notes the importance of commercial imagery in supporting users' needs and emerging requirements for the Department of Defense, to include U.S. Special Operations Command and other geographic combatant commands, and the Intelligence Community. The National Reconnaissance Office (NRO) recently finalized negotiations on the Electro-Optical Commercial Layer (EOCL) contract, which is a critical enabler for matching commercial imaging capabilities with these requirements. The Committee fully funds the budget request for EOCL and strongly encourages users across the federal government to utilize this enterprise contract to fulfill electro-optical imagery requirements, maximize efficiency and eliminate duplication. In the event user needs exceed the existing scope of imagery purchases, the Committee encourages users to work within their organizations to identify internal resources while working with the NRO to augment the scope of EOCL to meet mission needs."

On page 128, before the header "AIRCRAFT PROCUREMENT, NAVY", insert the following:

"HIGH MOBILITY ENGINEER EXCAVATOR

The Committee notes that the Army did not request funding for the High Mobility Engineer Excavator

(HMEE) program in fiscal year 2023 and does not plan to request funding in fiscal year 2024. The Committee directs the Secretary of the Army to provide a briefing to the congressional defense committees not later than October 1, 2022 on plans to maintain the HMEE production line and the Army's resource strategy for HMEE over the next five years."

On page 133, before the header "WEAPONS PROCUREMENT, NAVY", insert the following:

"E-2D ADVANCED HAWKEYE

The E-2D is an essential command and control element of the Carrier Strike Group's advanced capability to provide force protection and enable power projection for the United States and its allies. In 2019, the Navy approved an increase of 11 aircraft to the program of record, bringing the total warfighter requirement from 75 to 86 aircraft. However, the fiscal year 2023 President's budget requests only five aircraft and does not include any additional aircraft in the future years defense program. This would result in a shortfall of eight aircraft. The Committee notes that the Navy's fiscal year 2023 unfunded priorities list includes an additional \$400,000,000 for two E-2D aircraft. The Committee believes that fulfilling the authorized warfighter requirement will increase readiness, aircraft availability, and re-

duce operational risk. Therefore, the Committee directs the Secretary of the Navy to submit a report to the congressional defense committees not later than 60 days after the enactment of this Act providing a plan to fund the remaining aircraft to meet its authorized warfighter requirement.”

On page 194, before the header “RESEARCH, DEVELOPMENT, TEST AND EVALUATION, NAVY”, insert the following:

“WIRE ARC ADDITIVE MANUFACTURING FOR
ENVIRONMENTAL QUALITY TECHNOLOGY

The Committee supports the development of Wire Arc Additive Manufacturing (WAAM) of optimized multi-metal components for the future of combat systems. This research is key to maintaining a strong lead in the race for innovation against near-peer competitors.

CARBON COMPOSITE LIGHTWEIGHT WHEELS AND BRAKES

The Committee recognizes the Army’s efforts to develop lighter weight carbon composite brakes and wheels and supports the continued development of this technology and associated components for the CH-47. Potential benefits include reduced aircraft weight, lower fuel costs, increased payload, and extended mission range.”

On page 209, before the header “RESEARCH, DEVELOPMENT, TEST AND EVALUATION, AIR FORCE”, insert the following:

“CRITICAL PROTECTION TECHNOLOGIES

The Committee recognizes the growing threat and ability posed by adversaries to exploit sophisticated weapon systems and the need to ensure advantages in the cyber and encryption arenas. The Committee encourages the Navy to continue investment in critical protection technologies, and specifically cybersecurity architecture, to ensure the threat is matched by continued development of keystone capabilities to protect weapon systems.”

On page 226, after the last paragraph, insert the following:

“E-3 DIVESTMENT

Though the fiscal year 2023 budget request seeks to achieve cost savings associated with immediate divestment of 15 E-3 aircraft, the Committee is concerned about further degradation of already insufficient command, control, and surveillance capability and specialized manpower in the years between divestment and replacement. Further, while the Air Force has identified the E-7 as the E-3 replacement, it has not provided the Committee sufficient cost or schedule information to ensure

there is not an enduring capabilities gap. Therefore, the Committee directs the Secretary of the Air Force to submit a report to the congressional defense committees not later than 90 days after the enactment of this Act on the projected schedule for the E-3 replacement and plans to mitigate the risk incurred on the enterprise, including active duty, civilians, contractors, and others at Tinker Air Force Base. This report should also outline the impact divestiture will have on airborne early warning and control capabilities and how the Air Force intends to mitigate that gap until a replacement is operational.”

On page 233, in the paragraph under the header “SMALL SATELLITE TECHNOLOGY UNIVERSITY RESEARCH”, strike “university research” and insert “collaboration between start-up companies and universities”.

On page 251, before the header “OPERATIONAL TEST AND EVALUATION, DEFENSE”, insert the following:

“MOBILE MICRO-REACTOR

The Committee supports the Strategic Capabilities Office’s (SCO) Project Pele to develop and demonstrate a prototype transportable nuclear power source with the expectation that the capability will be transitioned to the Services for production. The Committee believes that

maintaining plans and schedule for the current effort to demonstrate a prototype micro-reactor should be its top priority. In addition, the Committee encourages SCO to support the design maturation efforts of multiple sources for the mobile micro-nuclear reactor to ensure a strong industrial base and competition for any future follow-on production activities. Therefore, the Committee directs the Director, SCO, to provide the House and Senate Appropriations Committees a briefing, not later than August 15, 2022, with an update on cost and schedule to keep the current effort to develop a prototype on track and to provide cost and goals of a proposed plan to resource the design completion of a viable second source for the micro-reactor.

RELIANCE ON CHINESE PLASTICS

The People's Republic of China remains the world's largest producer of plastics, which are necessary in the production of critical materials for national security and defense purposes. The Committee encourages the Department of Defense to lessen its dependency on Chinese plastic suppliers and transition to domestic materials, including hemp, when applicable. Further, the Committee directs the Secretary of Defense to submit a report to the congressional defense committees not later than 180 days after the enactment of this Act outlining the Depart-

ment’s efforts to increase domestic sourcing of these materials.

CYBERSECURITY INNOVATION

The Committee is aware that the Defense Innovation Unit (DIU) is looking at emerging technologies to improve the security of the Internet of Things and end point devices. The Committee supports DIU’s mission to accelerate innovation in the commercially focused technology sector. Near peer adversaries are challenging the United States across several dimensions to include cyber warfare. The Committee is concerned that adversaries are at par or ahead of the United States in critical cyber technology areas, including the threat to the Internet of Things and end point devices. The Committee encourages DIU to make investments in innovative commercial solutions to improve cybersecurity of end point devices against these threats.”

On page 270, before the header “CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE”, insert the following:

“MULTIFACTOR APPROACHES IN POST-TRAUMATIC STRESS DISORDER TREATMENT

The Committee continues to support the peer-reviewed traumatic brain injury and psychological health research program. The Committee is aware of the use of

novel combinatorial forms of intervention, including multifactor approaches that incorporate dietary intervention and non-invasive brain stimulation, to treat psychological health, post-traumatic stress disorder, and other stress-related disorders. The Assistant Secretary of Defense for Health Affairs is encouraged to explore these interventions and further study genetic markers that may impact treatment efficacy.

RAPID DEPLOYABLE SYNTHETIC VACCINE DEVELOPMENT

The Committee notes the significant advancements in vaccine development and the need to rapidly distribute countermeasures to combat infectious diseases and virus variants when required for the protection of military personnel worldwide. The Committee encourages the Commander, Army Medical Research and Development Command, and the Assistant Secretary of Defense for Health Affairs to research the development of low cost, single dose, highly scalable synthetic peptide vaccines that allow for rapid deployment to military personnel against COVID-19, new virus variants, and infectious disease threats.”

